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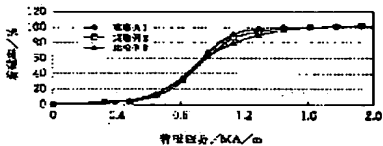
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(54) RARE EARTH ALLOY SINTERED COMPACT AND PRODUCTION METHOD THEREFOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an R-Fe-B rare earth alloy sintered compact which is sufficiently magnetized in a low magnetization field.
SOLUTION: The production method uses a rare earth alloy sintered compact containing a main phase having a composition expressed by (LR1-xHRx)2T14A (T is Fe or a mixture of Fe and at least one kind selected from transition metal elements other than Fe; A is B or a mixture of B and C; LR is at least one kind selected from light rare earth elements; HR is at least one kind selected from heavy rare earth elements; and 0<x<1). The production method includes; a stage wherein kinds of rare earth alloy raw materials consisting of a first rare earth alloy raw material containing a main phase having a composition expressed by (LR1-uHRu)2T14A (0≤u<x) and a second rare earth alloy raw material containing a main phase having a composition expressed by (LR1-vHRv)2T14A (x<v≤1) are blended so as to obtain a sintered compact in which the average composition of the main phases contained therein is expressed by (LR1-xHRx)2T14A, and a powdery mixture for sintering is prepared; and a stage wherein the powdery mixture for sintering is sintered.



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